```
* * * * * * * * * *   Welcome to STN International   * * * * * * * * * *

 NEWS  1            Web Page URLs for STN Seminar Schedule - N. America
 NEWS  2            "Ask CAS" for self-help around the clock
 NEWS  3   May 12   EXTEND option available in structure searching
 NEWS  4   May 12   Polymer links for the POLYLINK command completed in REGISTRY
 NEWS  5   May 27   New UPM (Update Code Maximum) field for more efficient patent
                    SDIs in CAplus
 NEWS  6   May 27   CAplus super roles and document types searchable in REGISTRY
 NEWS  7   Jun 22   STN Patent Forums to be held July 19-22, 2004
 NEWS  8   Jun 28   Additional enzyme-catalyzed reactions added to CASREACT
 NEWS  9   Jun 28   ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG,
                    and WATER from CSA now available on STN(R)

 NEWS EXPRESS   MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT
                MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
                AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
 NEWS HOURS     STN Operating Hours Plus Help Desk Availability
 NEWS INTER     General Internet Information
 NEWS LOGIN     Welcome Banner and News Items
 NEWS PHONE     Direct Dial and Telecommunication Network Access to STN
 NEWS WWW       CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
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  * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 03:56:14 ON 08 JUL 2004

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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                      ENTRY     SESSION
FULL ESTIMATED COST                                    0.21        0.21

FILE 'REGISTRY' ENTERED AT 03:56:21 ON 08 JUL 2004
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:     6 JUL 2004  HIGHEST RN 705249-96-3
DICTIONARY FILE UPDATES:    6 JUL 2004  HIGHEST RN 705249-96-3

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
```

information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

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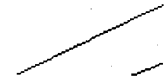
L1 HAS NO ANSWERS
L1 STR



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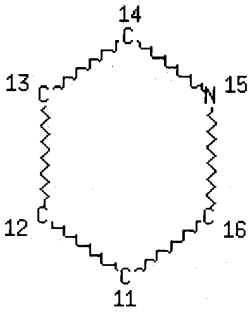

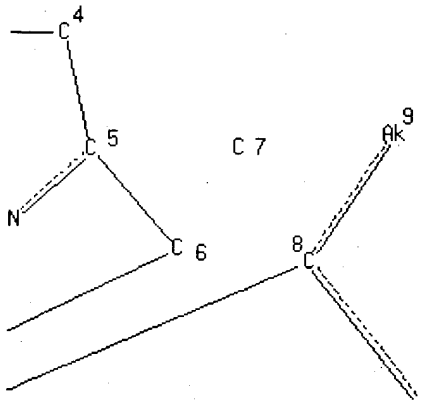

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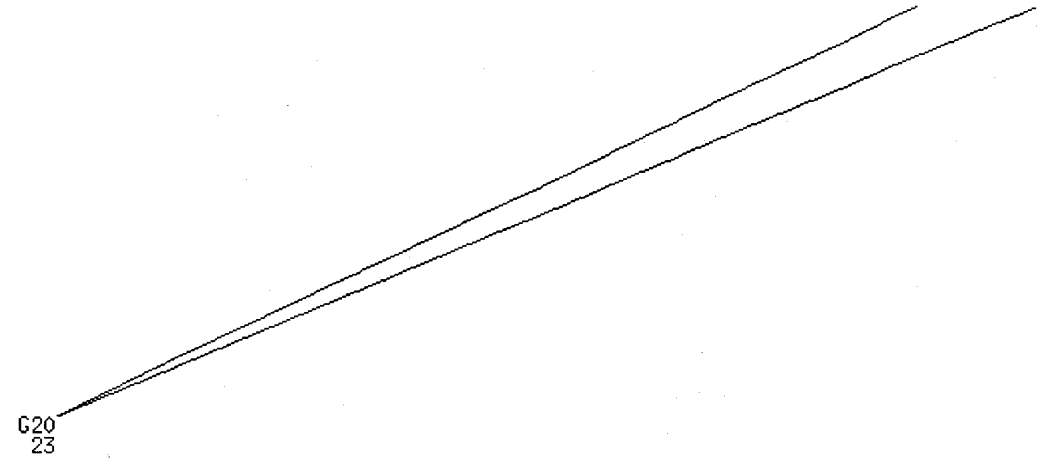

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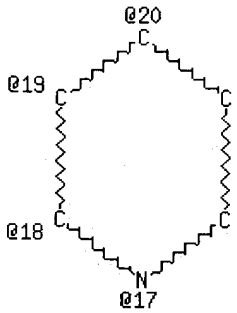

Page 2-B

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Page 2-C

REP G20=(0-2) 7-6 7-8

VPA 10-17/18/19/20/21/22 S

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NSPEC	IS R	AT	3
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MLEVEL  IS CLASS  AT   6  7  8  9 10
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS  23

STEREO ATTRIBUTES: NONE


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SAMPLE SCREEN SEARCH COMPLETED -   6135 TO ITERATE

 16.3% PROCESSED    1000 ITERATIONS                                  0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE   **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:       118005 TO   127395
PROJECTED ANSWERS:               0 TO        0

L2             0 SEA SSS SAM L1

=> s l1 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 04:01:11 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 124961 TO ITERATE

100.0% PROCESSED  124961 ITERATIONS                                4 ANSWERS
SEARCH TIME: 00.00.08

L3             4 SEA SSS FUL L1

=> file hcaplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                              158.36     158.57

FILE 'HCAPLUS' ENTERED AT 04:01:22 ON 08 JUL 2004
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FILE COVERS 1907 - 8 Jul 2004 VOL 141 ISS 2
FILE LAST UPDATED: 7 Jul 2004 (20040707/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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L4            2 L3

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             57 MULLICAN, M?/AU
L5            0 L4 AND MULLICAN, M?/AU

=> s l4 and lauffer, d?/au
             46 LAUFFER, D?/AU
L6            0 L4 AND LAUFFER, D?/AU

=> s l4 and tung, r?/au
            302 TUNG, R?/AU
L7            0 L4 AND TUNG, R?/AU

=> d l4, ibib abs fhitstr, 1-2

L4   ANSWER 1 OF 2  HCAPLUS  COPYRIGHT 2004 ACS on STN
```

Full Text | Citing References

ACCESSION NUMBER: 2001:185778 HCAPLUS
DOCUMENT NUMBER: 134:237837
TITLE: Preparation of dolastatin peptides
INVENTOR(S): Petit, George R.; Srirangam, Jayaram K.; Williams, Michael D.; Durkin, Kieran P. M.; Barlozzari, Teresa; Kling, Andreas; Janssen, Bernd; Haupt, Andreas
PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany; Arizona Board of Regents
SOURCE: PCT Int. Appl., 55 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001018032	A2	20010315	WO 2000-US24658	20000908
WO 2001018032	A3	20020711		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,

DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 6323315 B1 20011127 US 2000-539935 20000331
PRIORITY APPLN. INFO.: US 1999-394962 A1 19990910
US 2000-539935 A1 20000331

OTHER SOURCE(S): MARPAT 134:237837
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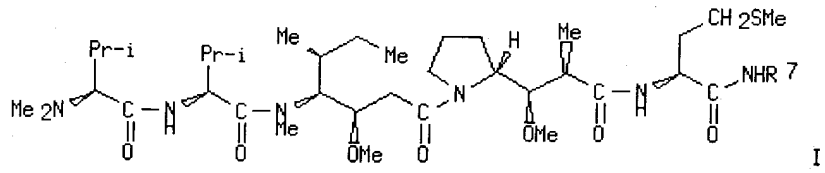


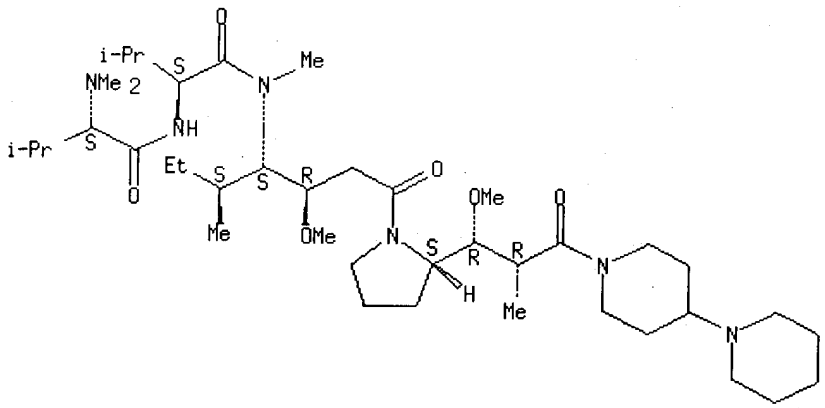
I

AB Peptides R1R2NCHR3CONHCHR4CONMeCHR5CH(OMe)CH2CONRCHRCH(OMe)CHMeCO-An-NR6R7 [R2 = (CH2)3; R1-R5 are each independently H or C1-C6 alkyl; A is a methionyl, phenylalanyl or phenylglycyl residue; n is 0 or 1; R6 is H and R7 is a carbocyclic, arom., alkyl, pyridylalkyl, or heterocyclic group or R6 is benzyl or carbalkoxy and R7 is 2-thiazolyl] or their pharmaceutically acceptable salts were prepd. for use as cell growth inhibitors. Thus, I [R7 = bicyclo[3.3.0]octan-1-yl] was prepd. by soln. phase methods and evaluated for in vitro cytotoxicity against a panel of cultured cancer cell lines, including OVCAR-3 (ovarian cancer), ED50 = 3.1 x 10-4 μg/mL.

IT **329792-17-8P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of dolastatin peptides)

RN 329792-17-8 HCAPLUS
CN L-Valinamide, N,N-dimethyl-L-valyl-N-[(1S,2R)-4-[(2S)-2-[(1R,2R)-3-[1,4'-bipiperidin]-1'-yl-1-methoxy-2-methyl-3-oxopropyl]-1-pyrrolidinyl]-2-methoxy-1-[(1S)-1-methylpropyl]-4-oxobutyl]-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



L4 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2004 ACS on STN

Full Text | Citing References

ACCESSION NUMBER: 1981:44042 HCAPLUS
DOCUMENT NUMBER: 94:44042

TITLE: Organic natural products. Part 176. Structure of the alkaloid juliprosopine from Prosopis juliflora A. Dc

AUTHOR(S): Ott-Longoni, Rita; Viswanathan, Narayanaiyer; Hesse, Manfred

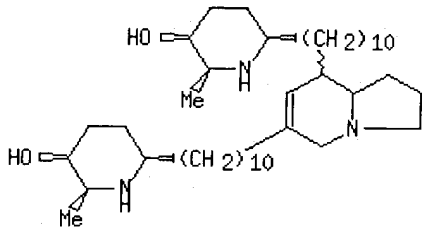
CORPORATE SOURCE: Org.-Chem. Inst., Univ. Zurich, Zurich, CH-8057, Switz.

SOURCE: Helvetica Chimica Acta (1980), 63(7), 2119-29
CODEN: HCACAV; ISSN: 0018-019X

DOCUMENT TYPE: Journal

LANGUAGE: German

GI



I

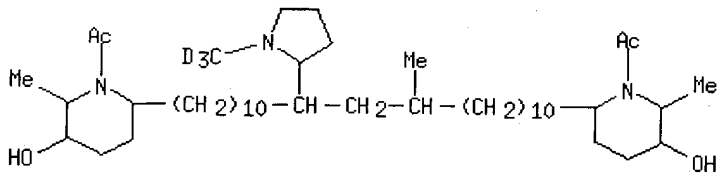
AB A new alkaloid, juliprosopine (I) was isolated from P. juliflora and its structure elucidated. The piperidine moiety could be elucidated by spectroscopic data (mass spectroscopy, 1H-NMR, 13C-NMR) of I and various derivs. The central hexahydroindolizine part and its substitution pattern were detd. mainly by the Hofmann-degrdn. product. I is built up in nature by 2 monomeric Prosopis alkaloids and 1 dihydropyrrol unit.

IT **76202-04-5P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 76202-04-5 HCAPLUS

CN 3-Piperidinol, 6,6'-[11-methyl-13-[1-(methyl-d3)-2-pyrrolidinyl]-1,23-tricosanediyl]bis[1-acetyl-2-methyl- (9CI) (CA INDEX NAME)



=> file caold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	17.42	175.99

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.47	-1.47

FILE 'CAOLD' ENTERED AT 04:03:14 ON 08 JUL 2004
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FILE COVERS 1907-1966
FILE LAST UPDATED:  01 May 1997 (19970501/UP)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.  Title keywords, authors, patent
  assignees, and patent information, e.g., patent numbers, are
  now searchable from 1907-1966.  TIFF images of CA abstracts
  printed between 1907-1966 are available in the PAGE
  display formats.

  This file supports REG1stRY for direct browsing and searching of
  all substance data from the REGISTRY file.  Enter HELP FIRST for
  more information.

=> d his

     (FILE 'HOME' ENTERED AT 03:56:14 ON 08 JUL 2004)

     FILE 'REGISTRY' ENTERED AT 03:56:21 ON 08 JUL 2004
L1              STRUCTURE UPLOADED
L2            0 S L1
L3            4 S L1 FULL

     FILE 'HCAPLUS' ENTERED AT 04:01:22 ON 08 JUL 2004
L4            2 S L3
L5            0 S L4 AND MULLICAN, M?/AU
L6            0 S L4 AND LAUFFER, D?/AU
L7            0 S L4 AND TUNG, R?/AU

     FILE 'CAOLD' ENTERED AT 04:03:14 ON 08 JUL 2004

=> s l3
L8            0 L3

=> file bielstein
'BIELSTEIN' IS NOT A VALID FILE NAME
SESSION CONTINUES IN FILE 'CAOLD'
Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files
that are available.  If you have requested multiple files, you can
specify a corrected file name or you can enter "IGNORE" to continue
accessing the remaining file names entered.

=> file beilstein
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.42     176.41

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -1.47

FILE 'BEILSTEIN' ENTERED AT 04:03:27 ON 08 JUL 2004
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FILE RELOADED ON OCTOBER 20, 2002
FILE LAST UPDATED ON JUNE 15, 2004

FILE COVERS 1771 TO 2003.
 FILE CONTAINS  8,997,153 SUBSTANCES
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>>> PLEASE NOTE: Reaction data and substance data are stored in separate documents and can not be searched together in one query.
Reaction data for BEILSTEIN compounds may be displayed immediately with the display codes PRE (preparations) and REA (reactions). A substance answer set retrieved after the search for a chemical name, a molecular formula or a structure search for example can be restricted to compounds with available reaction information by concatenation with PRE/FA, REA/FA or more general with RX/FA. The BEILSTEIN Registry Number (BRN) is the link between a BEILSTEIN compound and belonging reactions. For more detailed reaction searches BRNs can be selected from substance answer sets and searched in the next step as reaction partner BRNs - Reactant (RX.RBRN) or Product BRN (RX.PBRN). After a search for reaction details substance documents associated with reactants or products may be retrieved by searching RX.PBRNs or RX.RBRNs as BRNs. <<<

>>> FOR SEARCHING PREPARATIONS SEE HELP PRE <<<

```
**********************************************************************
* PLEASE NOTE THAT THERE ARE NO FORMATS FREE OF COST.                *
* SET NOTICE FEATURE: THE COST ESTIMATES CALCULATED FOR SET NOTICE   *
* ARE BASED ON THE HIGHEST PRICE CATEGORY. THEREFORE; THESE          *
* ESTIMATES MAY NOT REFLECT THE ACTUAL COSTS.                        *
* FOR PRICE INFORMATION SEE HELP COST                                *
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L9       STRUCTURE UPLOADED

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L9                STR
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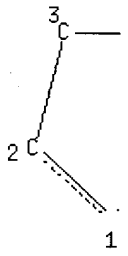

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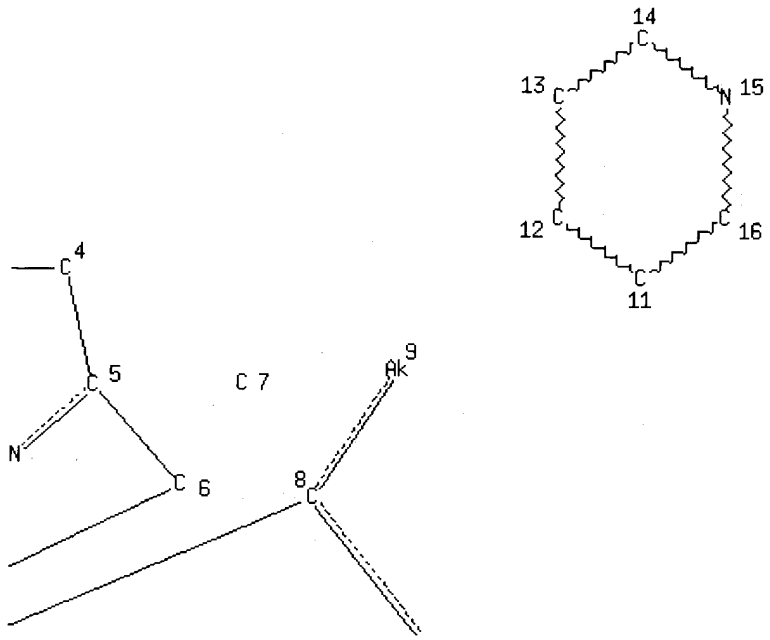

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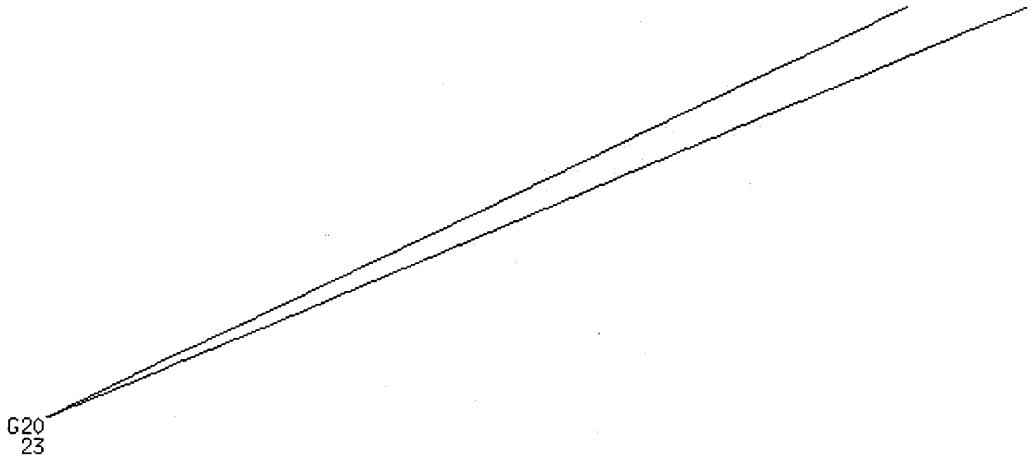

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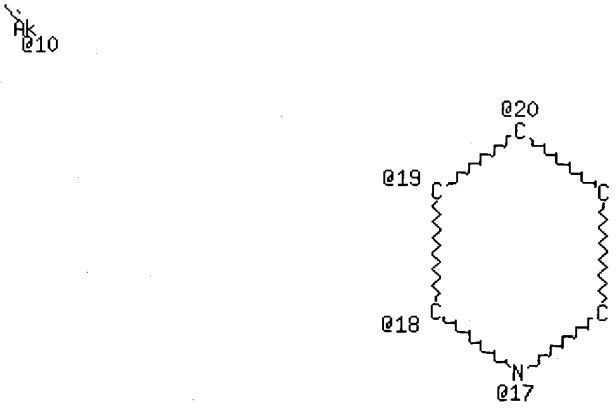

Page 2-B

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Page 2-C
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VPA 10-17/18/19/20/21/22 S
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NSPEC IS R AT 3
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NSPEC IS C AT 23
DEFAULT MLEVEL IS ATOM
MLEVEL IS CLASS AT 6 7 8 9 10
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 23

STEREO ATTRIBUTES: NONE

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SAMPLE SEARCH INITIATED 04:03:45 FILE 'BEILSTEIN'
SAMPLE SCREEN SEARCH COMPLETED - 285 TO ITERATE

100.0% PROCESSED 285 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.04

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 4688 TO 6712
PROJECTED ANSWERS: 0 TO 0

L10 0 SEA SSS SAM L9

=>